

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 346894D21709	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2004/003698	International filing date (day/month/year) 22/10/2004	(Earliest) Priority Date (day/month/year) 23/10/2003
Applicant  AB SCIENCE		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

2-AMINOARYLOXAZOLE COMPOUNDS AS TYROSINE KINASE INHIBITORS

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

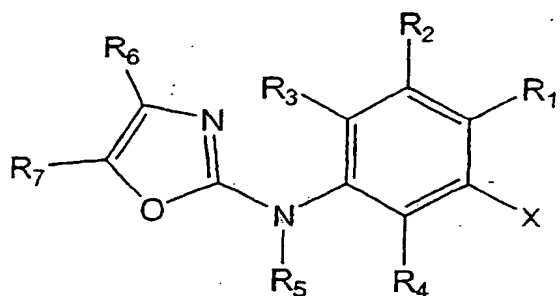
# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2004/003698

## Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The present invention relates to novel compounds selected from 2-aminoaryloxazoles of formula I that selectively modulate, regulate, and/or inhibit signal transduction mediated by certain native and/or mutant tyrosine kinases implicated in a variety of human and animal diseases such as cell proliferative, metabolic, allergic, and degenerative disorders. More particularly, these compounds are potent and selective c-kit, bcr-abl, FGFR3 and/or Flt-3 inhibitors.



FORMULA I

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/003698

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/422 A61K31/42 C07D263/48 C07D413/04 C07D413/14  
 A61P37/00 A61P35/00 A61P29/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2005/000298 A (TRIAD THERAPEUTICS, INC; DONG, QING; PIERRE, FABRICE; WANG, JIANQIANG) 6 January 2005 (2005-01-06) example 6	1-22
P, X	WO 2004/032882 A (SMITHKLINE BEECHAM CORPORATION; BROWN, MATTHEW, LEE; CHEUNG, MUI; DICK) 22 April 2004 (2004-04-22) examples on pages 69-187	1-22
P, Y	WO 2004/001059 A (BRISTOL-MYERS SQUIBB COMPANY; BORZILLERI, ROBERT, M; TOKARSKI, JOHN, S) 31 December 2003 (2003-12-31) claims 1,13	1-22
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

28 June 2005

Date of mailing of the international search report

12/07/2005

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International Application No  
PCT/IB2004/003698

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/45652 A (MERCK & CO., INC.; BILODEAU, MARK, T; HARTMAN, GEORGE, D; HOFFMAN, JACO) 13 June 2002 (2002-06-13) claims 1,25	1-22
X	EP 0 949 242 A (CHUGAI SEIYAKU KABUSHIKI KAISHA; CHUGAI SEIYAKUKABUSHIKI KAISHA) 13 October 1999 (1999-10-13) table 77, examples 516, 517 and 518	1-17
X	US 5 000 775 A (GRABIAK ET AL) 19 March 1991 (1991-03-19) example 12, column 19	1-17
X	EP 0 254 259 A (OTSUKA PHARMACEUTICAL FACTORY, INC) 27 January 1988 (1988-01-27) table 4, compound 49	1-17,20
X	MURALI DHAR T. G. ET AL.: "A modified approach to 2-(N-Aryl)-1,3-oxazoles" ORGANIC LETTERS, vol. 4, no. 12, 2002, pages 2091-2093, XP002333344 table 1, compounds 13-15	1-17
X	NATH ET AL.: "Synthesis and mercuration of some new 2-arylamino-4,5-disubstituted oxazoles as pesticides" INDIAN JOURNAL OF CHEMISTRY, SECTION B: ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol. 20(B), no. 9, 1981, pages 827-829, XP009049725 table 1	1-17
X	RAO ET AL.: "Synthesis and fungitoxicity of substituted pyrazolyloxazole" JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol. 58, no. 9, 1981, pages 925-926, XP009049726 table 1; compounds 6, 9	1-17

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Information on patent family members:

International Application No

PCT/IB2004/003698

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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EP 0254259	A	27-01-1988	AU 590935 B2 AU 7579987 A DK 377487 A EP 0254259 A2 JP 1025756 A JP 1924115 C JP 6051679 B US 4868183 A US 5059598 A JP 1941073 C JP 2138265 A JP 6067911 B	23-11-1989 28-01-1988 22-01-1988 27-01-1988 27-01-1989 25-04-1995 06-07-1994 19-09-1989 22-10-1991 23-06-1995 28-05-1990 31-08-1994

## INTERNATIONAL SEARCH REPORT

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